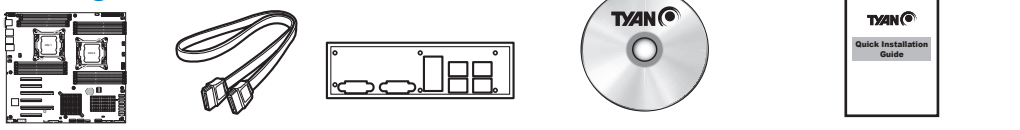
S7053 Quick Installation guide

Document # D2186-100/ Revision 1.0

Read Me First

1. The motherboard User's Manual is available for download from our Web site at http://www.tyan.com. Make sure to read all precautions and instructions before you start installing the server board.
2. Refer all servicing to qualified personnel to avoid the risk of damage to the server board.
3. Exercise normal ESD (Electrostatic Discharge) procedures during system integration. TYAN/MiTAC recommends wearing gloves and an anti-static wrist strap to avoid possible damage to the equipment.
4. Current processor socket design places the pins on the motherboard instead of the processor itself. Exercise extreme caution when installing the processors as the manufacturer's warranty does not cover damage inflicted upon the motherboard, including damage to the CPU sockets.

Package contents

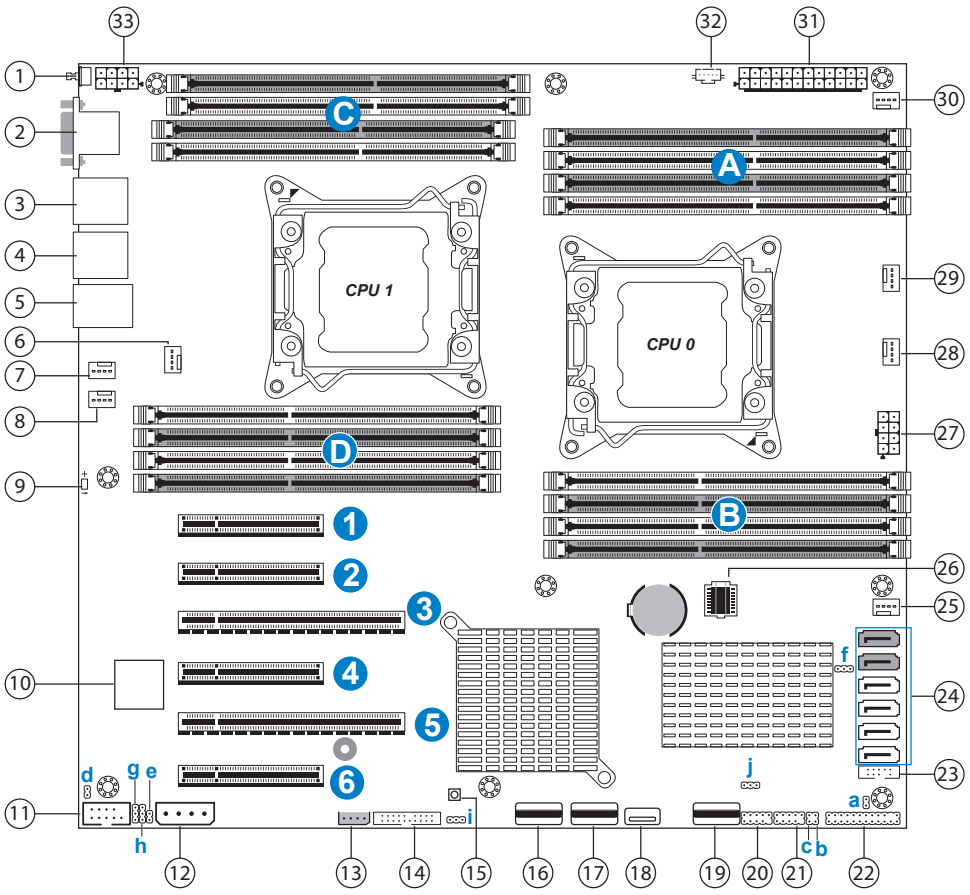


Server Board x 1 | SATA Cable x 6 | Rear I/O Shield x 1 | Driver's and Utilities CD x 1 | Quick Installation Guide x 1

Tools prepared

Phillips Screwdriver | Flat-head Screwdriver | Anti-Static Wrist Strap

Motherboard Placement



CONNECTORS

1. ID_LED Button (SW1)
2. VGA Port and COM1 Port
3. LAN port #4(LAN4) and USB2.0 ports
4. LAN port #3(LAN3) and USB2.0 ports
5. LAN port#2 (LAN2) and LAN port#1(LAN1) share with IPMI port
6. CPU1_FAN
7. SYS_FAN4
8. SYS_FAN5
9. ID_LED
10. AST2300 chipset
11. COM2 Header(J3)
12. 4-pin Power Connector(PW4)
13. IPMB Pin Header
14. System Fan Header
15. Clear Button
16. 4 in 1 Mini SAS connector (J27)
17. 4 in 1 Mini SAS connector (J25)
18. TYPE-A USB From PCH
19. 4in1 SAS connector (for SATA function)
20. Front USB Header
21. Front USB Header
22. Front Panel Header
23. SGPIO Connector
24. SATA0~5
    (SATA0~1——SATA3.0)
    (SATA2~5——SATA2.0)
25. SYS_FAN3
26. BIOS
27. 8-pin Power Connector(PW2)
28. CPU0_FAN
29. SYS_FAN2
30. SYS_FAN1
31. 24-pin Power Connector(PW1)
32. PSMI Connector
33. 8-pin Power Connector(PW3)

SLOTS

A	CPU0 DIMM SLOT [Channel A/B]
B	CPU0 DIMM SLOT [Channel C/D]
C	CPU1 DIMM SLOT [Channel G/H]
D	CPU1 DIMM SLOT [Channel E/ F]
1	PCIE slot (x8) from CPU1
2	PCIE slot (x8) from CPU0
3	PCIE slot (x16) from CPU1
4	PCIE slot (x8) from CPU0
5	PCIE slot (x16) from CPU1
6	PCIE slot (x8) from CPU0

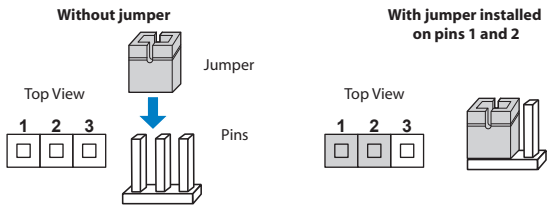
HEADER

Name	Discription
a	INTRUDER header
b	LAN Port3 Pin Header
c	LAN Port4 Pin Header
d	ID LED Pin Header
e	BMC RST header

JUMPER

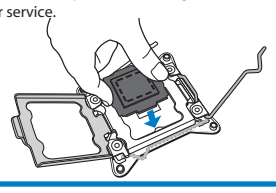
Name	Discription
f	ME RECOVERY MODE Jump
g/h	COM Select
i	SAS Enable/Disable Jump
j	Flash Descriptor Security Override MODE Jump

Jumper Cap On/Off



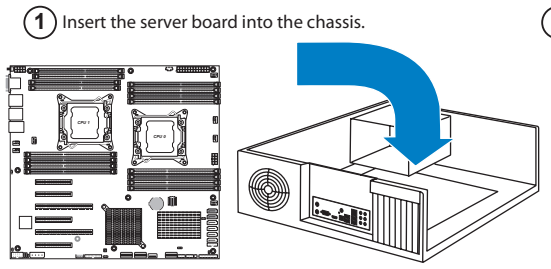
DOA/RMA Reminder

Note: Please save and replace the CPU protection cap when returning the server board for service.

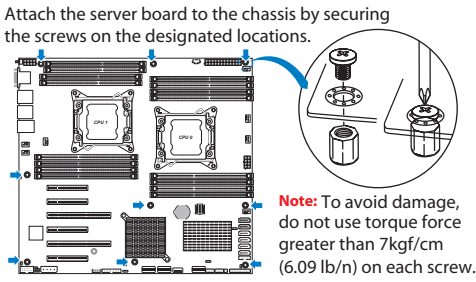


1 Install the Server Board

1. Insert the server board into the chassis.

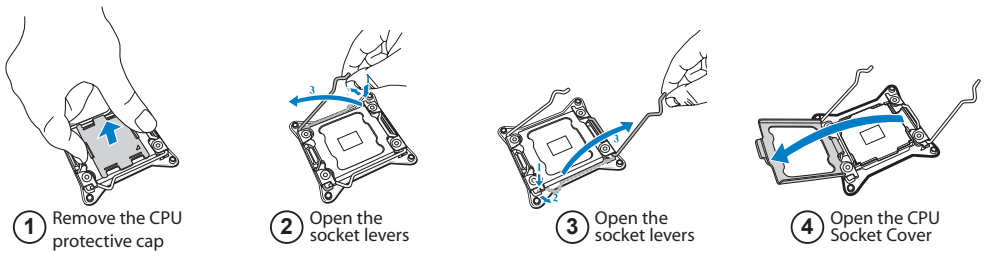


2. Attach the server board to the chassis by securing the screws on the designated locations.

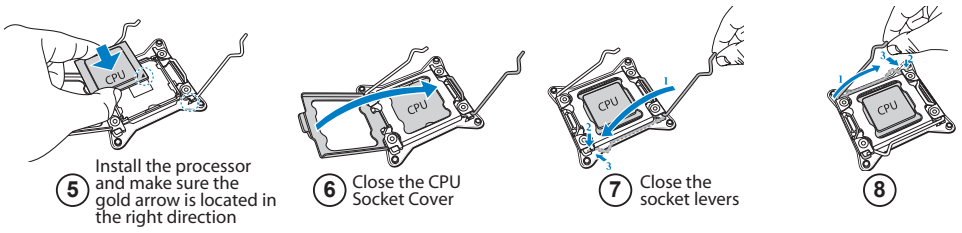


Note: To avoid damage, do not use torque force greater than 7kgf/cm (6.09 lb/n) on each screw.

2 Install the processoer



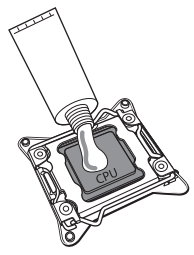
1. Remove the CPU protective cap
2. Open the socket levers
3. Open the socket levers
4. Open the CPU Socket Cover



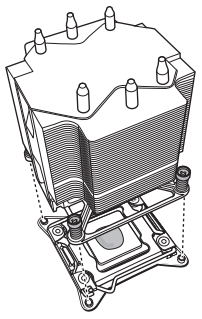
5. Install the processor and make sure the gold arrow is located in the right direction
6. Close the CPU Socket Cover
7. Close the socket levers
8.

3 Install the CPU Heatsink

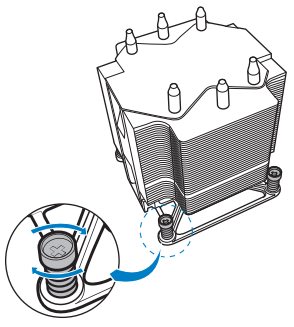
1. Apply the thermal grease.



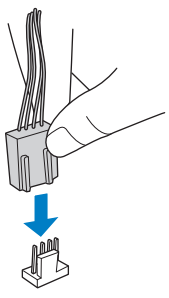
2. Install the CPU heatsink.



3. Secure the heatsink screws.

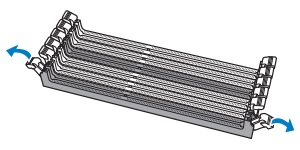


4. Connect the heatsink fan cable.

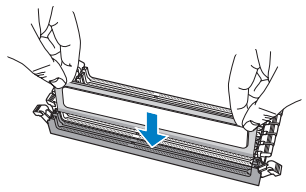


4 Install the memory

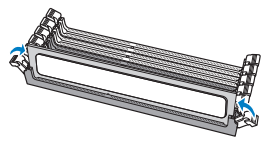
1. Unlock the clips.



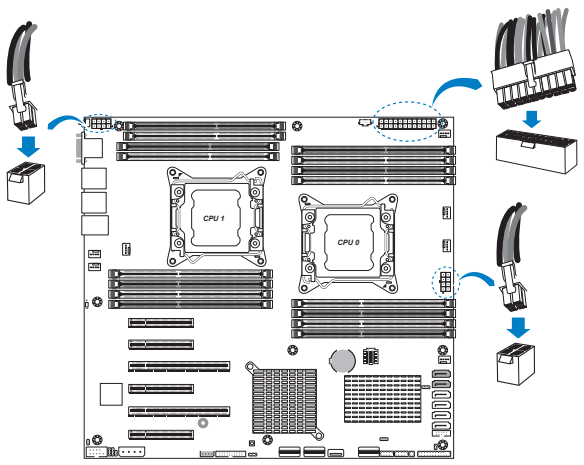
2. Insert the memory module.



3. Lock the clips.



5 Install the Power Cable



Locate the external I/O port